BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvement to roads & drains at Rajareddy Layout, Soundarya School Opposite road in Bagalagunte Ward No 14

JOB NUMBER.: | SI-5 | Est. Amount = | 50.00 | Lakhs

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB 300-1. Earthwork excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH/Chapter 3 (Page No. 142, It No. 19.2 of KPWD S.R 2016-17)								
	Rajareddy Layout								
	Ch:00-200	Cum	1	200.00	1.20	1.00	240.00		
						Total Qty	240.00	203.78	48907.20
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4,2(Page No. 12, It No. 4.3 of KPWD S.R 2016-17)								
	Rajareddy Layout								
	Ch:00-200	Cum	1	200.00	1.20	0.15	36.00		
						Total Qty	36.00	5159.02	185724.72
3	KSRRB M2200-5.9. Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 - i) Upto 5 m height:(Page No. 223, It No. 28.7.9 of KPWD S.R 2016-17)								
	Rajareddy Layout								
	Ch:00-200 Bottom Slab	Cum	1	200.00	0.90	0.15	27.00		
	Ch:00-200 Side Wall		2	200.00	0.15	0.90	54.00		
						Total Qty	81.00	6965.26	564186.06
4	KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Speatotions complete as per specificationsMORTH Specrfication No.1600 & 2200(Page No. 17, It No. 28.8.2 of KPWD S.R 2016-17)								
	Rajareddy Layout								
	10mm dia bars @c 100mmc/c (u shape)	Tonne	1	2000	2.55	0.62	3162.00		
	10mm dia bars @c 100mmc/c (Straight bars)		1	26	200	0.62	3224.00		
							6386.00	kgs	
							6.38	tonne	
						Total Qty	6.38	66482.14	4,24,156.05
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting,. propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cilis and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No.15, It No. 4.31 of KPWD S.R 2016-17)								
	Rajareddy Layout								
	Side Wall	Sqm							
	Ch:00-200		4	200.00		0.90	720.00		
						Total Qty	720.00	310.58	223617.60
6	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}								
	Rajareddy Layout								
	Ch:00-200	Sqm	1	200.00		0.90	180.00		
						Total Qty	180.00	1957.00	352260.00
7	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH/Chapter 3(Page No. 1142, It No. 19.1 of KPWD S.R 2016-17)								
	Rajareddy Layout								
	Ch:00-855	Cum	1	855.00	2.00	0.45	769.50		
						Total Qty	769.50	170.92	131522.94

Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
8	KSRRB 300-58. Compaction of original ground with maximum of 6 passes Sqm of 8 to 10 tonnes power roller including filling in depression occuring during roiling including cost of all labour, HOM of machinery complete as per, specifications. MORTH / Chapter 3(Page No. 149, It No. 19.64 of KPWD S.R 2016-17)								
	Rajareddy Layout								
	Ch:00-855	Sqm	1	855.00	2.00		1710.00		
						Total Qty	1710.00	5.30	9063.00
9	KSRRB M400-7. Construction of granular sub-base by providing Coarse graded cushed stone aggregates of granite / trap / basalt material, speading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per specifications. By mix in place method. ForCoarse graded granular sub-base material as per 400-2 For Grading 1 Material(Page No. 157, It No. 20.6.1 of KPWD S.R 2016-17)								
	Rajareddy Layout								
	Ch:00-855	Cum	1	855.00	2.00	0.15	256.50		
						Total Qty	256.50	1518.98	389618.37
10	SRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification nNo. 406(Page No. 158, It No. 20.18 of KPWD S.R 2016-17)								
	Rajareddy Layout								
	Ch:00-855	Cum	1	855.00	2.00	0.23	393.30		
						Total Qty	393.30	1768.08	695385.86
11	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications.MORTH Specification No. 502 (Page No. 161, It No. 21.6 of KPWD S.R 2016-17)								
	Rajareddy Layout								
	Ch:00-855	Sqm	1	855.00	2.00		1710.00		
						Total Qty	1710.00	27.56	47127.60
12	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications.using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-I (80 mm to 100 mm) with 3.3% VG-30 Bitumen(Page No. 162, It No. 21.11.5 of KPWD S.R 2016-17)								
	Rajareddy Layout								
	Ch:00-855	Cum	1	855.00	2.00	0.05	85.50		
						Total Qty	85.50	5127.22	438377.31
13	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH Chapter 5 (Page No. 161, It No. 21.7 of KPWD S.R 2016-17)								
	Rajareddy Layout								
	Ch:00-855	Sqm	2	855.00	6.00		10260.00		
						Total Qty	10260.00	11.66	119631.60

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
14	KSRRB M500-19. Providing and laying bituminous concrete with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications.MORTH Specification No. 509using 40-60 TPH capacity H.M.P. with mechanical paver grading I (50-65mm) with 5.2% VG-30 Bitumen(Page No. 165, It No. 21.22.5 of KPWD S.R 2016-17)								
	Rajareddy Layout								
	Ch:00-855	Rmt	1	855.00	6.00	0.03	153.90		
						Total Qty	153.90	7052.18	1085330.50
							Total Constrution cost		47,14,908.82
							DPR charges		47,149.09
							Tender Premium		2,35,745.44
							Sub Total		49,97,803.35
							Miscellaneous & Rounding Off		2,196.65
							Grand Total		50,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS BANGALORE-90.

Consultants
For Sri Sai Consultants

Assistant Engineer
Ward No.14
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Sub-Division
BBMP - Bangalore

Executive Engineer
Dasarahalli Division
BBMP - Bangalore

ನಂ. EE/DS/AS/133/17-18 ದಿನಾಂಕ :26/9/17
ರೂ. Fifty Lakhs Rupees only
Rs. 50 - 00 Lakhs
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/TS/169/17-18 ದಿನಾಂಕ : 26/03/18
ರೂ. Fifty Lakhs Rupees only
Rs. 50 - 00 Lakhs
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.